



#3

SEQUENCE LISTING

<110> Bowen, Benjamin A.
Deakin, Edward
Goldsmith, Neil
Haudenschild, Christian
Houck, David
McAlpine, James B.
Neilsen, Soren
Pazoles, Christopher
Spencer, Marget E.
Stafford, Angela

<120> Methods for Identifying Genes Regulating
Desired Cell Phenotypes

<130> 50273/005002

<140> US 10/056,479

<141> 2002-01-24

<150> US 60/263,807

<151> 2001-01-24

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

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<212> PRT

<213> Artificial Sequence

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<223> Synthetic

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His	Gly	Gly	Asn	Phe	Gln	Gly	Thr	Pro	Ile	Gly	Val	Ser	Met	Asp	Asn
			20					25					30		
Thr	Arg	Leu	Ala	Leu	Ala	Ala	Ile	Gly	Lys	Leu	Met	Phe	Ala	Gln	Phe
		35					40					45			
Ser	Glu	Leu	Val	Asn	Asp	Phe	Tyr	Asn	Asn	Gly	Leu	Pro	Ser	Asn	Leu
	50				55					60					
Ser	Gly	Ser	Arg	Asn	Pro	Ser	Leu	Asp	Tyr	Gly	Leu	Lys	Gly	Ala	Glu
65				70					75					80	
Ile	Ala	Met	Ala	Ser	Tyr	Cys	Ser	Glu	Leu	Gln	Phe	Leu	Gly	Asn	Pro
			85					90						95	
Val	Thr	Asn	His	Val	Gln	Ser	Ala	Glu	Gln	His	Asn	Gln	Asp	Val	Asn
		100					105						110		
Ser	Leu	Gly	Leu	Ile	Ser	Ser	Arg	Lys	Thr	Ala	Glu	Ala	Val	Asp	Ile
		115					120					125			
Leu	Lys	Leu	Met	Thr	Ser	Thr	Tyr	Leu	Val	Ala	Leu	Cys	Gln	Ala	Val
	130					135					140				
Asp	Leu	Arg	His	Met	Glu	Glu	Asn	Leu	Arg	Asn	Thr	Val	Lys	Asn	Thr
145					150				155						160

Val Ser Gln Val Ala Lys Arg Thr Leu Thr Thr Gly Ala Asn Gly Glu
165 170 175
Leu His Pro Ser Arg Phe Cys Glu Lys Asp Leu Leu Lys Val Val Asp
180 185 190
Arg Glu Tyr Val Phe Ala Tyr Ile Asp Asp Pro Cys Leu Ala Thr Tyr
195 200 205
Pro Leu Met Gln Ser Leu Gly Ala
210 215

<210> 2
<211> 648
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

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ttccaaggaa ccccgatcgg tgtgtccatg gacaacacca ggctagcact ggcagctatt 120
gggaagctca tgtttgctca gttctccgag cttgtcaatg acttctacaa caatggctctg 180
ccatcgaatc tgtctggcag caggaacccc agcttgact atgggcttaa aggagcggag 240
atcgcaatgg cttcctactg ttccgarctt cagttccttg gtaaccgggt tactaaccat 300
gtccagagcg ctgagcagca taaccaggat gtcaactcat tgggattgat ctcatcaagg 360
aagacagctg aagctgttga catcttgaag ctcatgacat cgacttactt ggtggccctt 420
tgccaagctg ttgacctgag gcacatggaa gagaatctta ggaacactgt gaagaacacc 480
gtgagccaag tcgccaagag gacgctcaac acaggagcca acggtgagct tcacccatcg 540
agattctgcg agaaggactt gctcaaagtr gttgacagag agtatgtgtt cgcgtacatt 600
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<212> PRT
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Glu Asn Asn Lys Gly Ala Arg Val Leu Val Ile Cys Ser Glu Ile Thr
1 5 10 15
Ala Val Thr Phe Arg Gly Pro Ser Asp Thr His Leu Tyr Ser Leu Val
20 25 30
Gly Gln Ala Leu Phe Gly Asp Gly Ala Ala Val Ile Leu Gly Ala
35 40 45
Asp Pro Leu Pro Glu Glu Lys Pro Met Phe Glu Leu Val Ser Ala Ala
50 55 60
Gln Thr Ile Leu Pro Asp Ser Glu Gly Ala Ile Asp Gly His Leu Ser
65 70 75 80
Glu Val Gly Leu Thr Phe His Leu Leu Lys Asp Val Pro Gly Leu Ile
85 90 95
Ser Lys Asn Ile Glu Lys Gly Leu Val Glu Ala Phe Lys Pro Ile Gly
100 105 110
Ile Glu Asp Gly Thr
115

<210> 4

<211> 353
 <212> DNA
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<220>
 <221> misc_feature
 <222> 183
 <223> n = A,T,C or G

<223> Synthetic

<400> 4
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 cgtggcccaa gcgatactca tttgtacagt cttgtaggtc aggccttggt cggagacgga 120
 gctgcagcag tcatcctcgg agcagacccc cttcccgaag agaagcccat gtttgaactt 180
 gtntctgcag ctcagaccat cttgccagac agtgaaggcg ccatcgacgg tcatccttagt 240
 gaagttggtc tcacattcca tttgcttaag gacgttcccc ggctgatctc caagaacatt 300
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<210> 5
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<220>
 <221> VARIANT
 <222> 52
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<223> Synthetic

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 1 5 10 15
 Pro Val Ser Ala Arg Asp Tyr Ser Arg Trp Pro Asp Lys Pro Glu Ala
 20 25 30
 Trp Lys Glu Val Thr Lys Arg Tyr Ser Asp Thr Leu Met Gly Leu Ala
 35 40 45
 Cys Lys Leu Xaa Glu Val Leu Ser Glu Ala Met Gly Leu Glu Lys Glu
 50 55 60
 Ala Leu Thr Lys Ala Cys Val Asp Met Asp Gln Lys Val Val Val Asn
 65 70 75 80
 Tyr Tyr Pro Lys Cys Pro Glu Pro Asp Leu Thr Leu Gly Leu Lys Arg
 85 90 95
 His Thr Asp Pro Gly Thr Ile Thr Leu Leu Gln Asp Gln Val Gly
 100 105 110
 Gly Leu Gln Ala Thr Arg Asp Asp Gly Lys
 115 120

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<220>
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<400> 6

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agcgacacgc tgatgggtct ggcatgtaag cttstaggagg tcttatctga agcgatggga 180
ctagagaagg aggctctgac taaggcctgt gttgacatgg accagaaagt tgttgtcaac 240
tactacccca agtgtcctga gcctgatcta actttggggac tcaagaggca taccgacccc 300
gggacgatca ccttgcttct ccaggaccaa gttggcgggc ttcaggccac tagagatgat 360
ggtaagac

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<210> 7
<211> 23
<212> DNA
<213> Artificial Sequence

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<220>
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<400> 7
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23

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<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence

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<220>
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<400> 8
ggrtakatgt tytcraaggc rg

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22

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<210> 9
<211> 26
<212> DNA
<213> Artificial Sequence

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<220>
<223> Synthetic

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<400> 9
atgatgtacc arcarggggtg ctttgc

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26

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<210> 10
<211> 21
<212> DNA
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<220>
<223> Synthetic

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<400> 10
agcccgggaa cgtccttaag c

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21

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<210> 11
<211> 25
<212> DNA
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<220>
<223> Synthetic

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<210> 13 <211> 24 <212> DNA <213> Artificial Sequence	
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<400> 13 gaaggaggtg accaagcggtt acag	24
<210> 14 <211> 25 <212> DNA <213> Artificial Sequence	
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<400> 14 tggcctgaag cccgccaaact tggtc	25
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